

## METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR CALCULATING A VLAN LATENCY MEASURE

### ABSTRACT

[0030] A method for calculating a multi-point VLAN latency measure. The method includes receiving a plurality of links for a VLAN. Each link has a first side and a second side and includes a latency value, a count of access switches on the first side of the link and a count of access switches on the second side of the link. A latency counter is initialized to zero. For each link in the VLAN, the count of access switches on the first side of the link is multiplied by the count of access switches on the second side of the link to derive a count of paths that include the link. The count of paths that include the link is multiplied by the latency value associated with the link to derive a total latency for the link. The latency counter is incremented by the total latency value for the link. Once all of the links have been processed, the latency counter is divided by the number of paths in the VLAN to derive the multi-point VLAN latency measure for the VLAN.